DroneStop®
Anti-Drone Mesh

KnitMesh Technologies
Protecting People, Property and our Planet

DroneStop® is a high-performance, anti-drone mesh specifically designed to provide a lightweight and unobtrusive protective barrier against aggressive or unwanted drone activity.

Ideal for military, defence, and prison security applications, DroneStop® provides protection against drone attack and the illegal delivery of contraband, without compromising visibility or access to natural light.

Principles of Operation

DroneStop® has been developed specifically to meet the new and rapidly growing security threat posed by drones in both theatres of war and detention centres. From safeguarding military assets against airborne attack, to preventing the illegal delivery of contraband to prisons, the mesh provides reliable protection while maintaining an open and natural environment.

The visually unobtrusive mesh structure provides a high-strength physical barrier that protects both personnel and physical assets. The protective nets minimise damage and injury by ensuring free-falling and guided ammunition delivered by FPV Drones detonates prior to reaching its primary target.

DroneStop® is up to 80% lighter than traditional weld-mesh alternatives, resulting in reduced structural loads and simplified delivery and installation. The mesh is extremely versatile and can be readily attached to existing structures, or fastened to a simple framework. These features avoid the need for specialist labour, and facilitate rapid set-up, removal and re-use, whilst ensuring low installation and maintenance costs.

Quality Assurance

KnitMesh Technologies is accredited to: ISO 9001, ISO 14001, ISO 45001, PAS 99, and IATF 16949.

Features and Benefits

- **Physical Barrier:** protects high value assets and safeguards personnel
- **Interception:** prevents drones from entering restricted airspace or landing zones
- **High Tensile Strength:** resists penetration by drones and free-falling ammunition
- **Load-bearing:** withstands high snow loads and wind speeds
- **Durable & Weatherproof:** will not rust or deteriorate under the harshest conditions
- **Non-Electronic:** works without the need for jammers or signal disruption
- **Lightweight:** up to 80% lighter than traditional weld-mesh alternatives
- **Low-cost:** easy to transport, install and maintain and readily reusable
- **Discreet:** almost invisible and compatible with existing camouflage systems
- **Bespoke:** can be tailored to meet demanding customer-specific requirements

Applications

Protective Fences: perimeter systems installed around critical infrastructure such as power stations, oil depots, munitions storage facilities and missile launch sites.

Overhead 'Shields': the nets protect mobile assets such as armoured vehicles, radar systems, artillery installations, and military personnel operating in trenches, from targeted airborne attack.

Lightweight 'Cages': installed to prevent drones from entering restricted airspace.

Passive Drone Mitigation: installed over field offices, accommodation buildings and aircraft hangars to disable drones by entangling their rotors; and above exercise yards in prisons and detention centres to prevent the delivery of contraband.

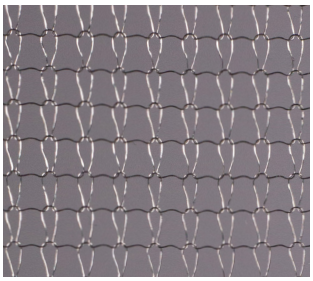
Last Line of Defence: can be integrated with electronic countermeasures to physically disable or capture drones that bypass RF, EMF and/or GNSS jamming systems.

Specifications

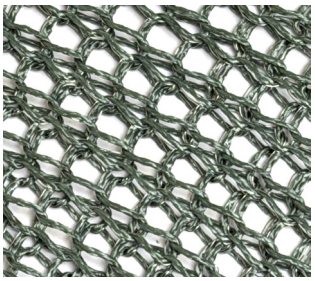
Material	304 Stainless Steel (0.28 - 0.50mm Ø),
Optional Reinforcement	Combined With Dyneema® Yarn
Finish	Plain, Black Oxidised, Camouflage
Roll Widths	500mm - 2000mm
Roll Lengths	≤ 50m

Other materials and finishes are available on request.

Standard SS 304 Mesh



SS 304 Mesh Reinforced With Dyneema®



Web: knitmeshtechnologies.com
Email: enquiries@knitmesh.com
Tel: +44 (0) 1352 717 640
Coast Road, Greenfield, Flintshire, CH8 9DP United Kingdom

KnitMesh® Technologies

Protecting People, Property and our Planet